

ABSTRACT OF THE DISCLOSURE

TUBERCULOSIS VACCINE

5 A method of detecting an anti-mycobacterial CD8 T cell response comprising
contacting a population of CD8 T cells of an individual with one or more peptides
selected from the peptides represented by SEQ ID NO: 3, 4, 7, 8, 9, 10, 11 or 12, and,
optionally, one or two further peptides represented by SEQ ID NO: 1 and/or 2,
wherein one or more of said peptides may be substituted by an analogue which binds
10 a T cell receptor which recognises the corresponding substituted peptide, and
determining whether CD8 T cells of the CD8 T cell population recognize the
peptide(s).

 The invention also provides a method of vaccinating against infection by a
mycobacterium, wherein the vaccination leads to a CD8 T cell response, comprising
15 administering (i) a CD8 T cell epitope of a mycobacterium protein, (ii) an analogue
of the epitope which is capable of inhibiting the binding of the epitope to a T cell
receptor, (iii) a precursor or (i) or (ii) which is capable of being processed to provide
(i) or (ii), or (iv) a polynucleotide which is capable of being expressed to provide (i),
(ii) or (iii).